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CLAIMS

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- 1. A pipe fitting, which is made of plastic, intended to act as a connection piece to join at least two mounting elements, and at least one end of which comprises a thread (2) for connecting the pipe fitting (1) and the mounting element to each other by means of a threaded connection, **charac-terized** in that on the bottom of a groove (4) between ridges (3) of the thread (2) there are protrusions (5).
- 2. A pipe fitting as claimed in claim 1, characterized in that the height of the protrusions (5) is 10 to 50% of the height of the ridge (3).
- 3. A pipe fitting as claimed in claim 1 or 2, **characterized** in that at the starting end of the thread (2) the bottom of the groove (4) does not comprise protrusions at least at the distance of one pitch.
- 4. A pipe fitting as claimed in any one of the preceding claims, characterized in that the protrusions (5) are arranged in the successive grooves (4) in such a manner that the protrusions (5) form ribs.
- 5. A pipe fitting as claimed in claim 4, characterized in that the protrusions (5) are arranged in the same line with each other in the axial direction such that they form axial ribs.
- 6. A pipe fitting as claimed in any one of the preceding claims, characterized in that the thread (2) is arranged at a distance from the end of the pipe fitting (1) in such a manner that the end of the pipe section (1) comprises an unthreaded section (6) acting as a guide surface.
- 7. A pipe fitting as claimed in claim 6, **characterized** in that the ratio of the length | of the unthreaded section (6) to the diameter D of the pipe fitting (1) is greater than 1:6.
- 8. A pipe fitting as claimed in any one of the preceding claims, characterized in that there are 2 to 24 protrusions (5) at one point around the circumference of the pipe fitting (1).
- 9. A pipe fitting as claimed in any one of the preceding claims, characterized in that the upper surface of the protrusion (5) is straight.
- 10. A pipe_fitting, which_is made of plastic, intended to act as a connection piece to join at least two mounting elements, and at least one end of which comprises a thread (2) for connecting the pipe fitting (1) and the mounting element to each other by means of a threaded connection, characterized in that the thread (2) is arranged at a distance from the end of the

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pipe fitting (1) in such a manner that the end of the pipe fitting (1) comprises an unthreaded section (6) acting as a guide surface.

- 11. A pipe fitting as claimed in claim 10, **characterized** in that the ratio of the length I of the unthreaded section (6) to the diameter D of the pipe fitting is greater than 1:6.
- 12. A pipe fitting as claimed in claim 10, characterized in that the ratio of the length I of the unthreaded section (6) to the diameter D of the pipe fitting (1) is greater than 1:4.
- 13. A pipe fitting as claimed in any one of claims 10 to 12, c h a r a c t e r i z e d in that on the bottom of a groove (4) between ridges (3) of the thread (2) there are protrusions (5).
 - 14. A pipe fitting as claimed in claim 13, **characterized** in that at the starting end of the thread (2) the bottom of the groove (4) does not comprise protrusions at least at the distance of one pitch.
 - 15. A pipe fitting as claimed in claim 13 or 14, **c** h a r a c t e r i z e d in that the protrusions (5) are arranged in the successive grooves (4) in such a manner that the protrusions (5) form ribs.
- 16. A pipe fitting as claimed in claim 15, **characterized** in that the protrusions (5) are arranged in the same line with each other in the axial direction such that they form axial ribs.